



SEW
EURODRIVE

Addendum to the Operating Instructions



MOVIFIT® FC
Special Design for Dual-Motor Operation





Content

1	General information	4
1.1	Structure of the safety notes	4
1.2	Rights to claim under limited warranty	5
1.3	Exclusion of liability	5
1.4	Other applicable documentation	5
2	Unit Structure	6
2.1	Special design "MOVIFIT® FC for dual-motor operation"	6
2.2	Example of an ABOX type designation	7
2.3	Accessories	8
3	Electrical Installation	9
3.1	Terminal assignment	9
3.2	Replacing switching relays	13
4	Startup	14
4.1	Startup procedure for MOVIFIT® FC	14
4.2	Preparations	15
4.3	Motor/brake startup with MOVIFIT® FC	18
4.4	Switchover between drive 1 and drive 2	31



1 General Information

1.1 Structure of the safety notes

1.1.1 Meaning of the signal words

The following table shows the grading and meaning of the signal words for safety notes, notes on potential risks of damage to property, and other notes.

Signal word	Meaning	Consequences if disregarded
▲ DANGER	Imminent danger	Severe or fatal injuries
▲ WARNING	Possible dangerous situation	Severe or fatal injuries
▲ CAUTION	Possible dangerous situation	Minor injuries
NOTICE	Possible damage to property	Damage to the drive system or its environment
INFORMATION	Useful information or tip: Simplifies the handling of the drive system.	

1.1.2 Structure of the section-related safety notes

Section safety notes do not apply to a specific action, but to several actions pertaining to one subject. The used symbols indicate either a general or a specific hazard.

This is the formal structure of a section safety note:



▲ SIGNAL WORD

Type and source of danger.

Possible consequence(s) if disregarded.

- Measure(s) to prevent the danger.

1.1.3 Structure of the embedded safety notes

Embedded safety notes are directly integrated in the instructions just before the description of the dangerous action.

This is the formal structure of an embedded safety note:

- **▲ SIGNAL WORD** Nature and source of hazard.
Possible consequence(s) if disregarded.
– Measure(s) to prevent the danger.



1.2 *Rights to claim under limited warranty*

A requirement of fault-free operation and fulfillment of any rights to claim under limited warranty is that you adhere to the information in the operating instructions. Therefore, read the operating instructions before you start working with the unit

Make sure that the operating instructions are legible and available to persons responsible for the plant and its operation, as well as to persons who work independently on the unit.

1.3 *Exclusion of liability*

You must comply with the information contained in these operating instructions to ensure safe operation of MOVIFIT®-FC and to achieve the specified product and performance features. SEW-EURODRIVE assumes no liability for injury to persons or damage to equipment or property resulting from non-observance of these operating instructions. In such cases, any liability for defects is excluded.

1.4 *Other applicable documentation*

- This additional information does not replace the detailed operating instructions and manual.
- Installation and startup only by trained personnel observing the relevant accident prevention regulations and the following publications:
 - "MOVIFIT® FC" operating instructions
 - and
 - "MOVIFIT® – Functional Safety" manual
 - and
 - "MOVIFIT® Function Level Classic ..." manual
 - or
 - "MOVIFIT® Function Level Technology ..." manual



2 Unit Structure

2.1 Special design "MOVIFIT® FC for dual-motor operation"

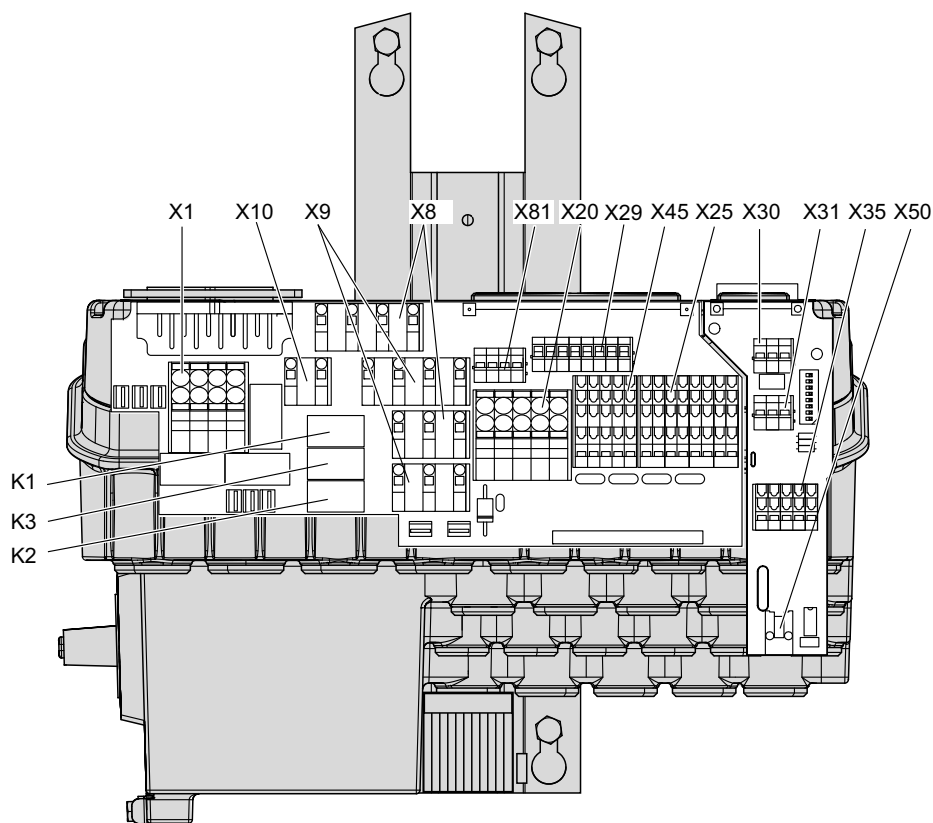


INFORMATION

This special design ""MTA...-S...-30." comprises the following changes on the connection box compared to the standard design:

- Modified connection assignment of the ABOX.
- 1 TH thermostat each can be connected to all motors.
- As an alternative, 1 TF temperature sensor can be connected to a maximum of 2 motors.
- Integrated K1/K2/K3 relay for switching between drive 1 and drive 2.
The relays have a service life of 1 000 000 switching cycles. The relays have to be replaced after that.
- The binary output DB00 is not available.
- **This special design is not permitted for hoist operation.**

The following figure shows the connection board of the special design "MOVIFIT® FC for dual-motor operation":



1737858315



2.2 Example of an ABOX type designation

The following table shows the type designation of the special ABOX of MOVIFIT® FC:

MTA11A - 503 - S533 - D01 - 30 / BW2 / M11

	Option 2 ABOX M11 = Stainless steel mounting rail
	Option 1 ABOX BW1 / BW2 = Integrated braking resistor
	ABOX variant 30 = Special design Dual-motor operation
	Maintenance switch D01 = Load disconnect M11 = Motor circuit breaker up to 4 A ¹⁾ M12 = Motor protection switch up to 9 A ¹⁾
	Fieldbus 1 = PROFIBUS 2 = DeviceNet 3 = EtherNet/IP, PROFINET, Modbus/TCP
	Connection configuration S02 = Standard ABOX with terminals and cable bushings S42 = Hybrid ABOX with M12 for I/Os S52 = Hybrid ABOX with M12 for I/Os + bus S62 = Hybrid ABOX with M12 for I/Os and push-pull RJ45 for bus
	Connection type 3 = 3-phase (AC)
	Supply voltage 50 = 380 V – 500 V
	A = version
	Series 11 = Standard (IP65) 12 = Hygienic ^{plus} design (IP69K)
	Device type A = Connection box
	MT = MOVIFIT® unit series

1) Only available in connection with UL



2.3 Accessories

The following accessories are required for replacing faulty relays.

The relays can also be replaced during maintenance to increase system availability.

The accessories are available from SEW-EURODRIVE.

Type	Figure	Content	Part number
Switching relay including support bracket		3 pc	1 821 747 8
		30 pc	1 821 748 6



3 Electrical Installation



INFORMATION

- The following chapter describes the modified connection assignment of the ABOX.
- For the terminal assignment of all terminals that are not described here, refer to the "MOVIFIT® FC" operating instructions.
- Observe the "MOVIFIT® FC" operating instructions, in particular the safety and warning notes.

3.1 Terminal assignment



⚠ WARNING

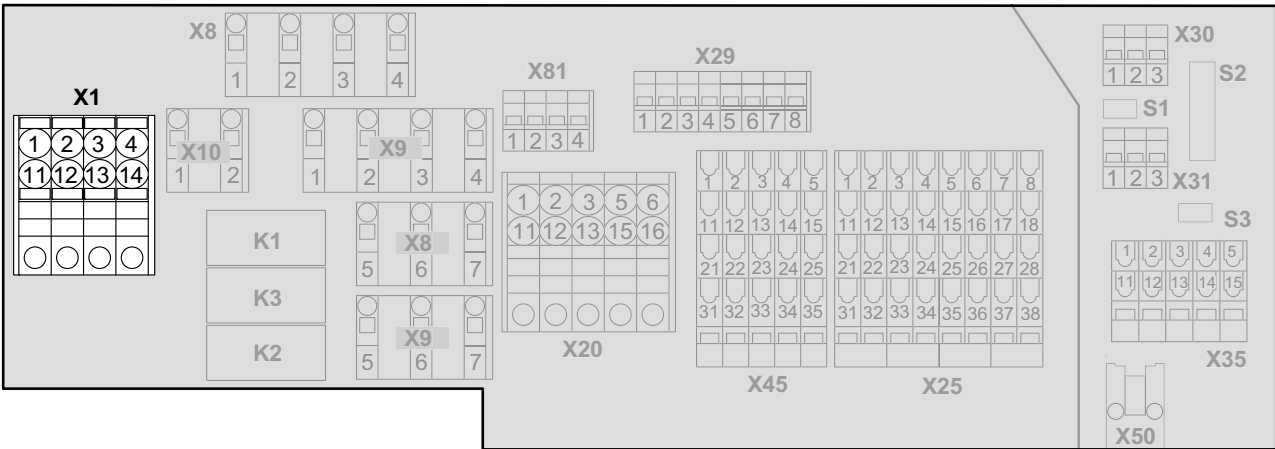
Electric shock due to dangerous voltages present in the ABOX.

The maintenance switch only disconnects the integrated frequency inverter from the power supply. Voltage is still present on the terminals of the MOVIFIT® unit.

Severe or fatal injuries.

- Switch off the power to MOVIFIT® using a suitable external disconnecting device, and wait at least 1 minute before opening the wiring space.

3.1.1 X1: Line terminals (power bus)

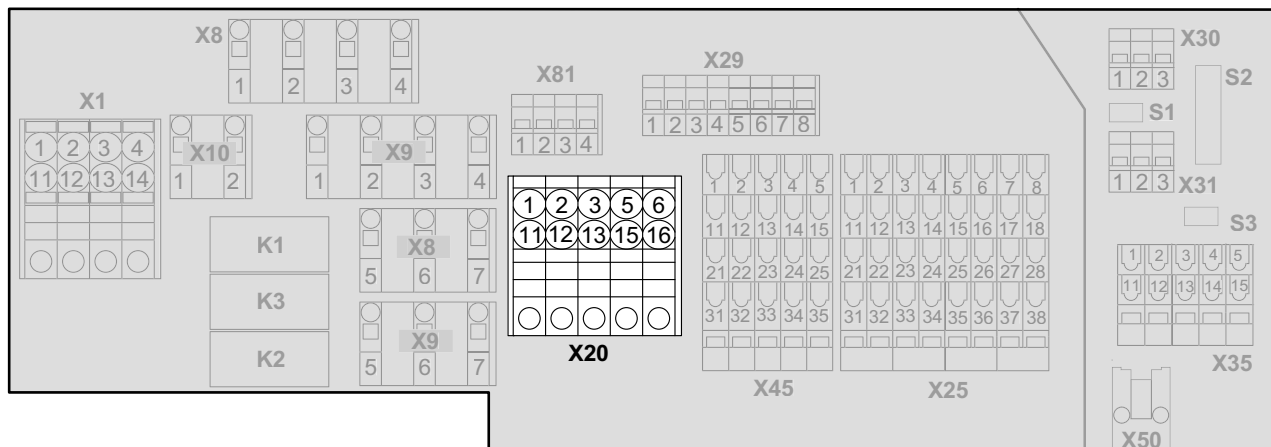


1739094539

Line terminal (power bus)			
No.		Name	Function
X1	1	PE	Line connection PE (IN)
	2	L1	Line connection phase L1 (IN)
	3	L2	Line connection phase L2 (IN)
	4	L3	Line connection phase L3 (IN)
	11	PE	Line connection PE (OUT)
	12	L1	Line connection phase L1 (OUT)
	13	L2	Line connection phase L2 (OUT)
	14	L3	Line connection phase L3 (OUT)



3.1.2 X20: 24 V supply terminal (24 V power bus)



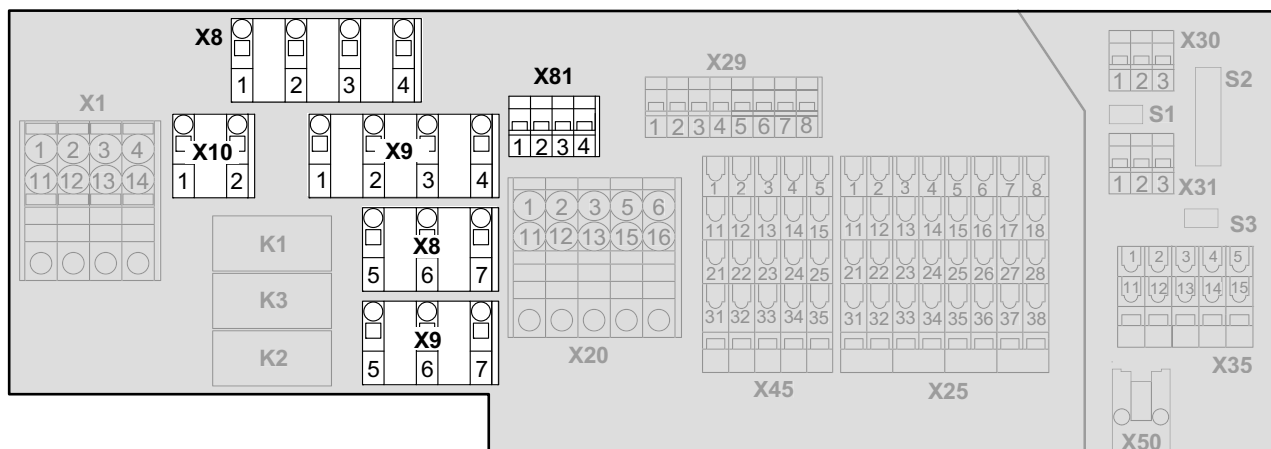
1741520651

24 V supply terminal (24 V power bus)

No.	Name	Function
X20	1	FE Functional earth (IN)
	2	+24V_C +24 V continuous voltage supply (IN)
	3	0V24_C 0V24 reference potential - continuous voltage (IN)
	5	+24V_S +24 V supply – switched (IN)
	6	0V24_S 0V24 reference potential – switched (IN)
	11	FE Functional earth (OUT)
	12	+24V_C +24 V continuous voltage supply (OUT)
	13	0V24_C 0V24 reference potential - continuous voltage (OUT)
	15	+24V_S +24 V supply – switched (OUT)
	16	0V24_S 0V24 reference potential – switched (OUT)



3.1.3 X8, X81, X9 and X91: Connection terminals for motor and braking resistor



1741527563

Motor connection terminal (connection via hybrid cable)			
No.		Name	Function
X8	1	PE	Motor 1 PE connection
	2	U	Output motor 1 phase U
	3	V	Output motor 1 phase V
	4	W	Output motor 1 phase W
	5	15	Connection for SEW brake motor 1 terminal 15 (blue)
	6	14	Connection for SEW brake motor 1 terminal 14 (white)
	7	13	Connection for SEW brake motor 1 terminal 13 (red)
X9	1	PE	Motor 2 PE connection
	2	U	Output motor 2 phase U
	3	V	Output motor 2 phase V
	4	W	Output motor 2 phase W
	5	15	Connection for SEW brake motor 2 terminal 15 (blue)
	6	14	Connection for SEW brake motor 2 terminal 14 (white)
	7	13	Connection for SEW brake motor 2 terminal 13 (red)
X81	1	TH+	Connection for temperature sensor TH/TF (+) motor 1
	2	TH-	Connection for temperature sensor TH/TF (-) motor 1
	3	TH+	Connection for temperature sensor TH/TF (+) motor 2
	4	TH-	Connection for temperature sensor TH/TF (-) motor 2
X10	1	-R	Braking resistor connection -R
	2	+R	Braking resistor connection +R



3.1.4 X29: 24V distributor terminal

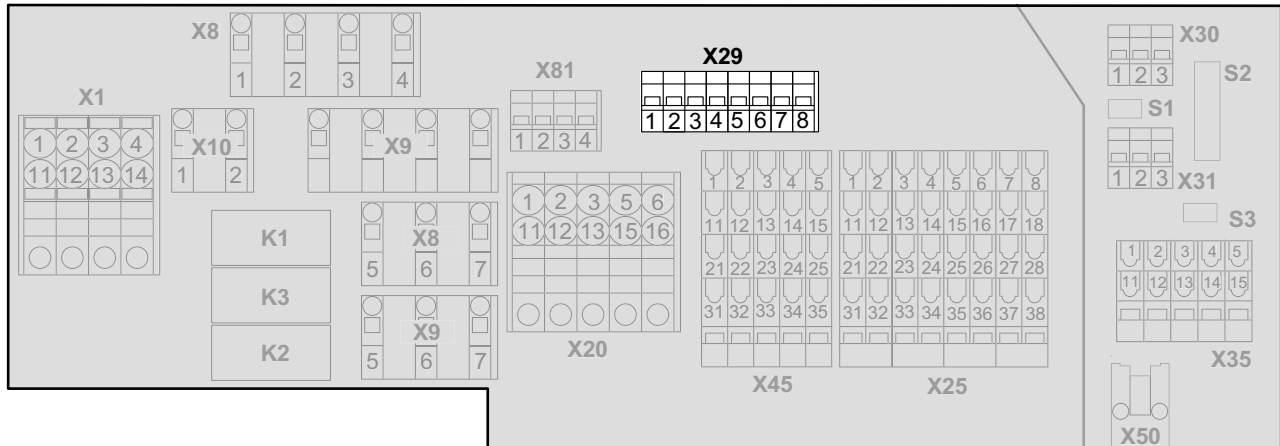


⚠ WARNING

When you use terminals X29/5 and X29/6 for safe disconnection, you must observe the publication "MOVIFIT® – Functional Safety".

Severe or fatal injuries.

- Observe the permissible wiring diagrams and safety conditions in the SEW publication "MOVIFIT® – Functional Safety".



1741533579

24V distributor terminal

(for distributing the supply voltage(s) to the integrated inverter and the option card)

No.		Name	Function
X29	1	+24V_C	+24 V supply for binary inputs – continuous voltage (jumped with X20/2)
	2	0V24_C	0V24 reference potential for binary inputs - continuous voltage (jumped with X20/3)
	3	+24V_S	+24 V supply for binary outputs – switched (jumped with X20/5)
	4	0V24_S	0V24 reference potential for binary outputs – switched (jumped with X20/6)
	5	+24V_P	+24 V supply for integrated frequency inverter (IN)
	6	0V24_P	0V24 reference potential for integrated frequency inverter (IN)
	7	+24V_O	+24V supply for option card, supply
	8	0V24_O	0V24 reference potential for the option card, supply



3.2 Replacing switching relays



⚠ WARNING

Disconnect the units from power before installing/removing the relay. Dangerous voltages may still be present for up to one minute after disconnection from the power supply.

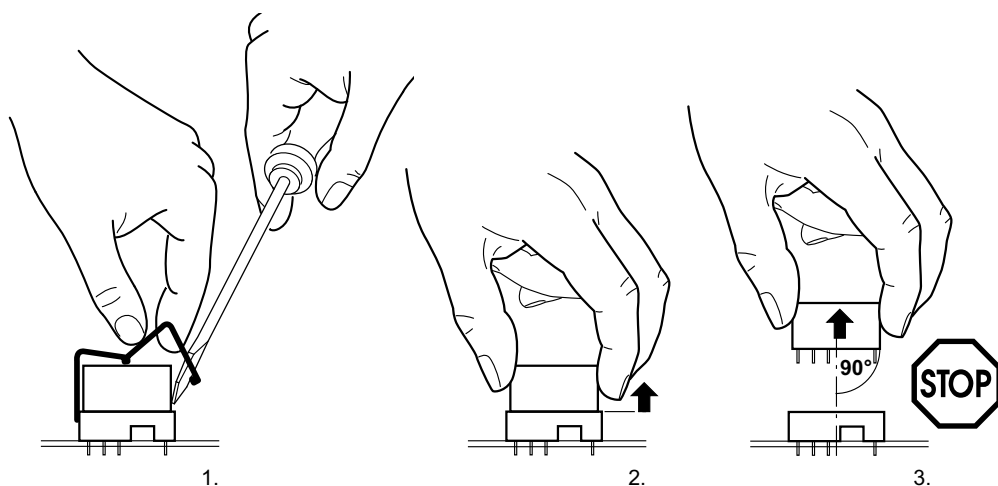
Severe or fatal injuries from electric shock.

- Disconnect the MOVIFIT® from the mains using an appropriate external disconnecting device and secure it against unintentional reconnection to the voltage supply.
- Then wait at least for 1 minute.

You can replace the K1, K2 or K3 switching relays as follows:

1. Remove the support brackets of the relay.
2. Carefully remove the relay in upward direction.

Important: Make sure you do not tilt the relay to prevent the socket and its pins from being damaged.



1741934859

3. Replace the faulty relay by the new one and install the parts in reverse order.
Make sure you do not damage the new relay when inserting it.



INFORMATION

SEW-EURODRIVE recommends to replace all 3 relays to increase system availability.



Startup

Startup procedure for MOVIFIT® FC

4 Startup

4.1 Startup procedure for MOVIFIT® FC

The following chapter describes how to start up the special design MOVIFIT® FC motor. Observe the additional documents listed in the following table:

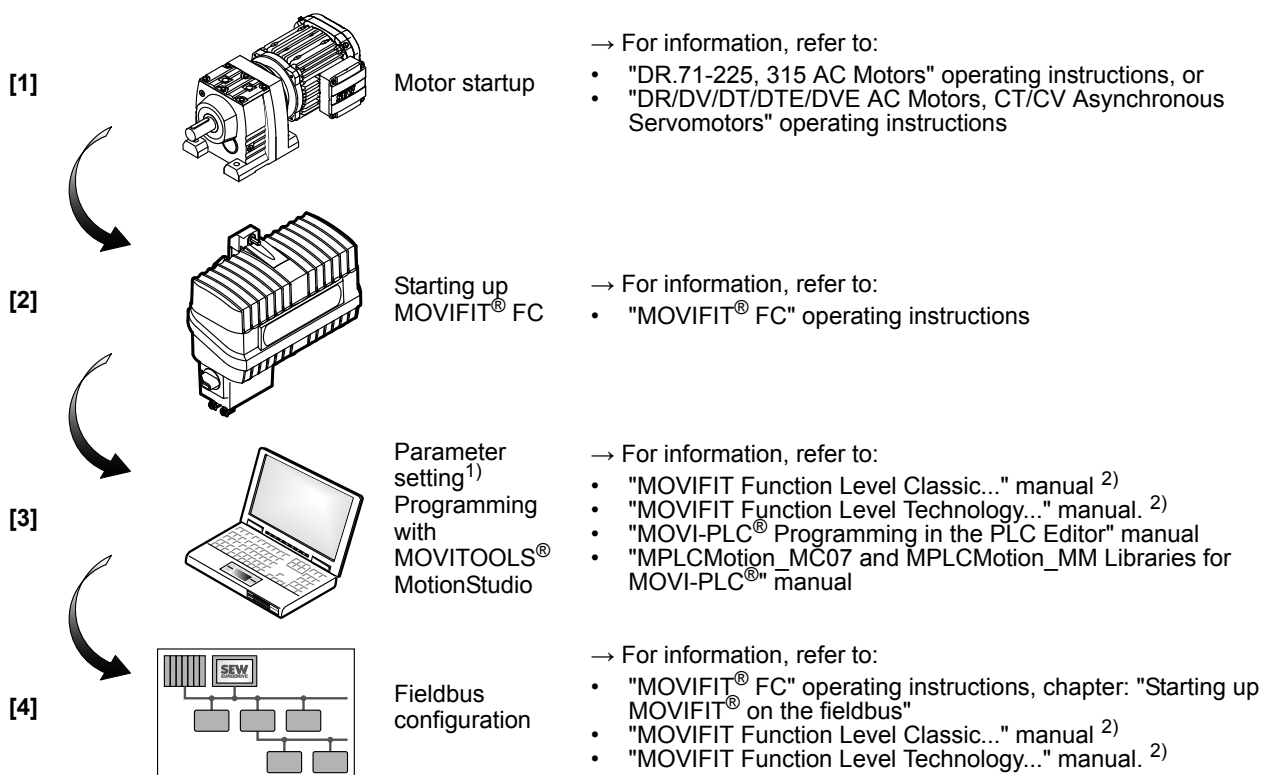


⚠ WARNING

If you use applications with safe disconnection, you must additionally observe the SEW publication "MOVIFIT® – Functional Safety".

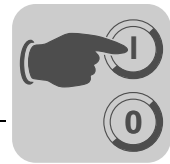
Severe or fatal injuries.

- Observe the additional startup notes and safety conditions in the SEW publication "MOVIFIT® – Functional Safety".



1) Parameters can only be set in "Expert mode".

2) The "MOVIFIT® Function Level Classic" and "MOVIFIT® Function Level Technology" manuals are available in several fieldbus-specific variants.



4.2 Preparations

4.2.1 MOVITOOLS® MotionStudio

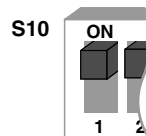
The "MOVITOOLS® MotionStudio" software package is the SEW engineering tool you can use to access all SEW drive units. With simple applications, you can use MOVITOOLS® MotionStudio to perform diagnostics for the MOVIFIT® unit series. For more demanding applications, you can use the wizards available in MOVITOOLS® MotionStudio to startup, configure and program MOVIFIT® units.

MOVITOOLS® MotionStudio can communicate with the drive units using different communication links and fieldbus systems.

The most simple application for connecting a PC/laptop and a MOVIFIT® unit via the diagnostic interface (serial RS485) (point-to-point connection) is described in the following chapter:

4.2.2 Preparations on MOVIFIT®

1. **Always follow the safety and warning instructions in the relevant operating instructions when working on MOVIFIT® units.**
2. Install the latest software version of MOVITOOLS® MotionStudio (**version 5.6.0** or higher) on your PC/laptop.
3. Set DIP switch S10/1 to "ON" (activating "Expert mode")

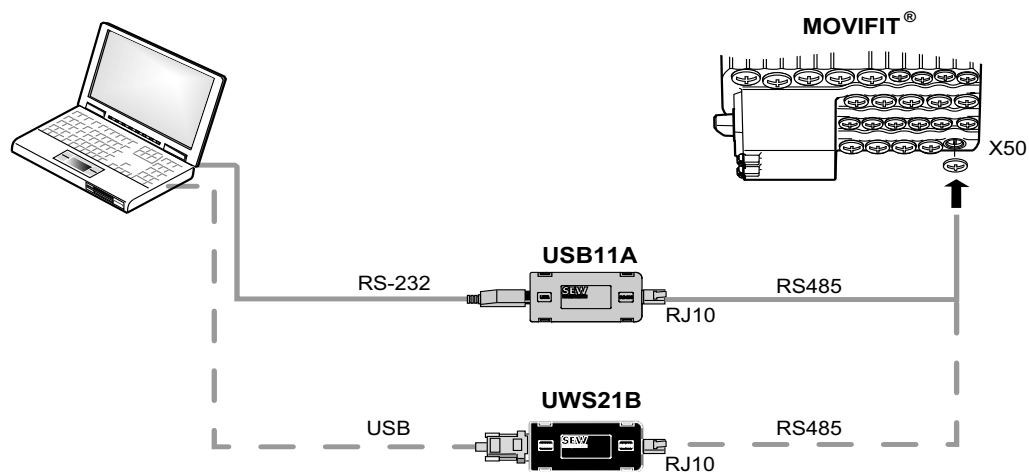


837925643



4.2.3 Connecting the PC

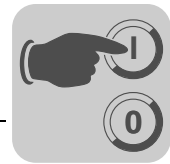
The following figure shows the connection of a PC/laptop to the diagnostic interface X50 of MOVIFIT®:



812444555

The diagnostic interface can be connected to a PC using one of the following options:

- USB11A with USB interface, part number 0 824 831 1
- UWS21B with serial interface RS-232, part number 1 820 456 2



4.2.4 Including MOVIFIT® in MOVITOOLS® MotionStudio

Starting the software and creating the project

Proceed as follows to start MOVITOOLS® MotionStudio and create a project:

1. Start the MOVITOOLS® MotionStudio from the Windows start menu via:
[Start]/[Programs]/[SEW]/[MOVITOOLS-MotionStudio]/[MOVITOOLS-MotionStudio]
2. Create a project with a name and directory.

Establishing communication and scanning the network

Proceed as follows to establish a communication with MOVITOOLS® MotionStudio and scan your network:

1. Set up a communication channel to communicate with your units.
For detailed information on how to configure a communication channel, see the chapter about the relevant communication type.
2. Scan your network (unit scan). Press the [Start network scan] button [1] in the toolbar.



[1]

3. Select the unit you want to configure.
4. Right-click to open the context menu.

As a result you will see a number of unit-specific tools to execute various functions with the units. These include:

- Bus monitor
- Startup
- Parameterization



Startup

Motor/brake startup with MOVIFIT® FC

4.3 Motor/brake startup with MOVIFIT® FC

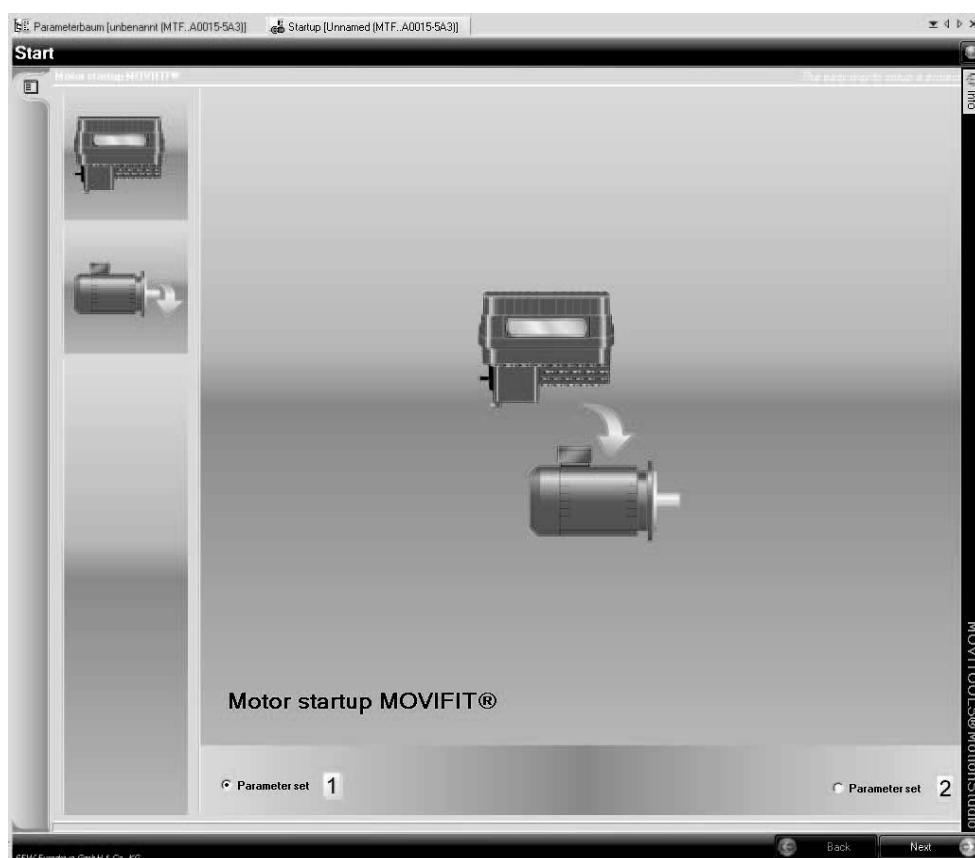


INFORMATION

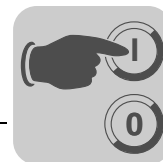
"Expert mode" (S10/1 = "ON") must be active for the following motor/brake startup procedure.

4.3.1 Starting up drive 1

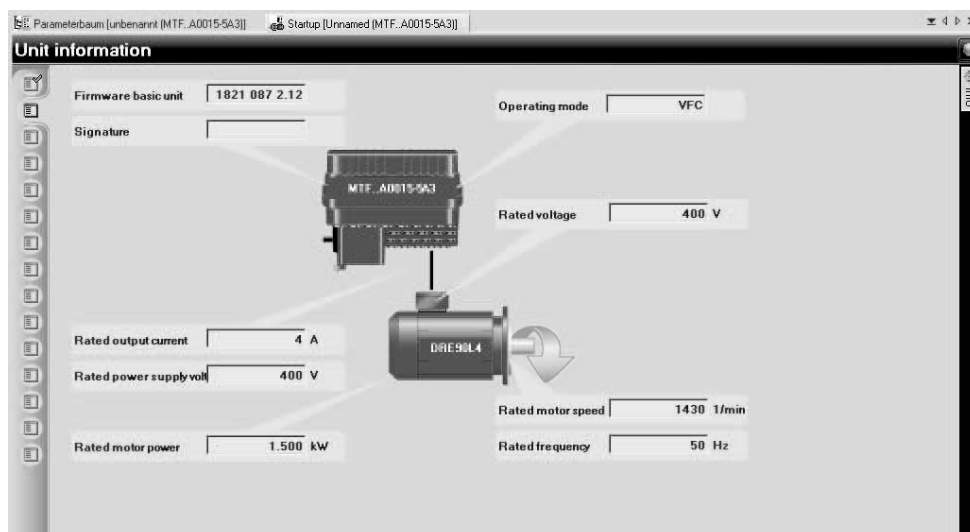
1. Choose the startup tool in MOVITOOLS® MotionStudio (see chapter "Including MOVIFIT® in MOVITOOLS® MotionStudio"). The window for selecting the parameter set opens.
2. Parameter set 1 must be selected for drive 1.



792943371

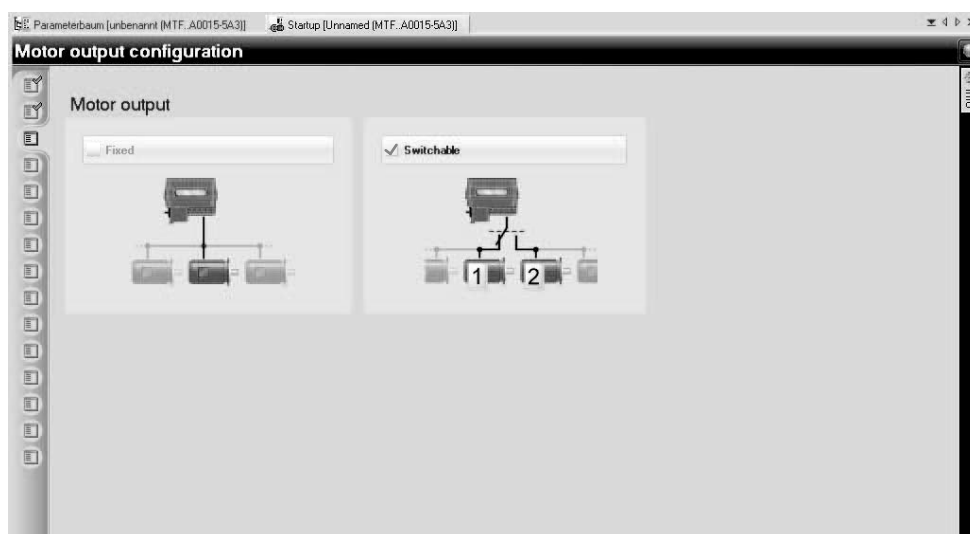


3. After you have selected the parameter set, an overview displaying the current device information is displayed (display values only):



792945035

4. Select the configuration for the motor output:
 - Activate the "Switchable" checkbox.



1771084939



Startup

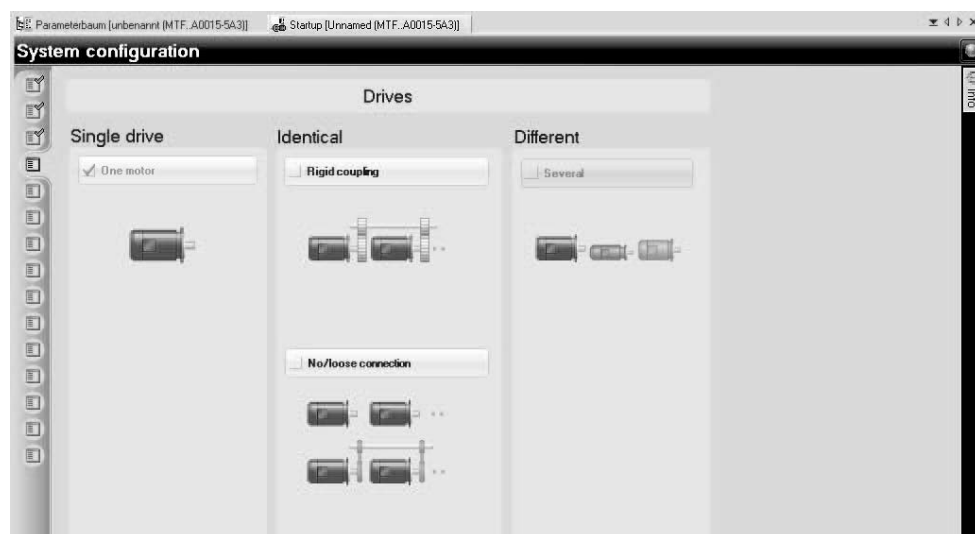
Motor/brake startup with MOVIFIT® FC

5. Select the system configuration:

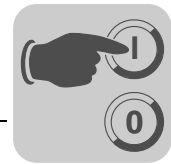
- With "one motor", MOVIFIT® FC controls a single motor.
- With "rigid coupling", MOVIFIT® FC controls several motors that are rigidly coupled via the axes.
- With "no/loose coupling", MOVIFIT® FC controls several motors that are not or loosely coupled via the axes.

With "rigid coupling" or "no/loose coupling", you will have to select the alternative brake control "Via constant voltage" in the "Brake" menu.

"Different" is not possible for MOVIFIT® units.

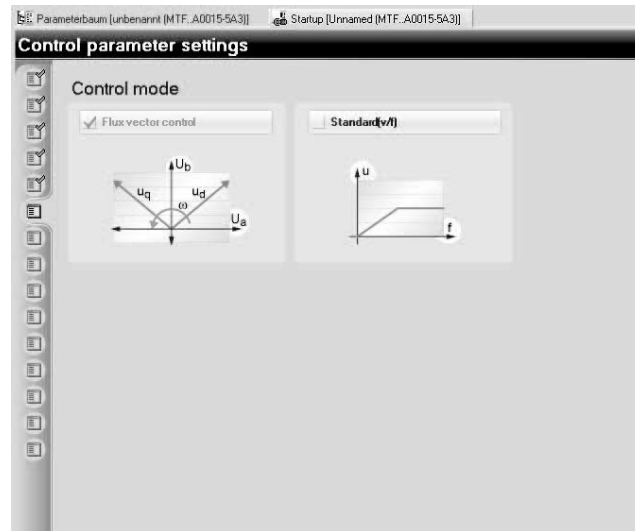


792948363



6. Select the control mode:

- The vector-controlled operating mode (VFC) is adapted for use with SEW motors.
- For non-SEW motors, select the operating mode V/f characteristic curve if the VFC operating mode does not produce a satisfactory result.

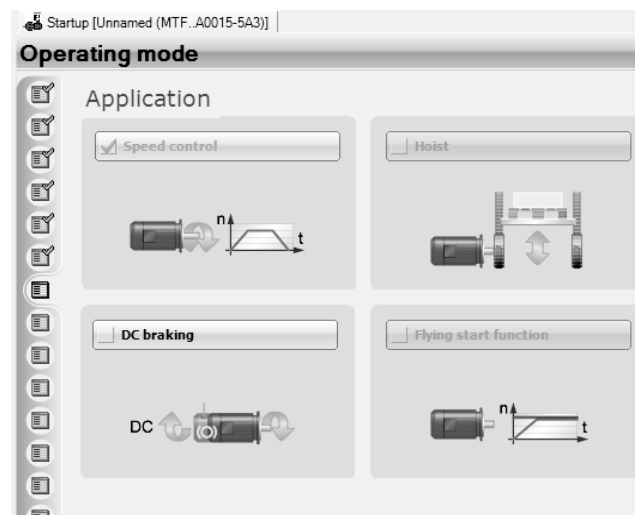


792950027

7. Choose one of the following operating modes:

- Speed control
- DC braking

Do not select "Hoist"!



3729375115



INFORMATION

The operating mode "DC braking" is used to slow a drive without delivering regenerative energy to a connected SEW three-wire brake coil or a braking resistor. In this mode, the energy released during the braking process is converted to heat losses in the motor.



Startup

Motor/brake startup with MOVIFIT® FC

8. Choose the connected motor.



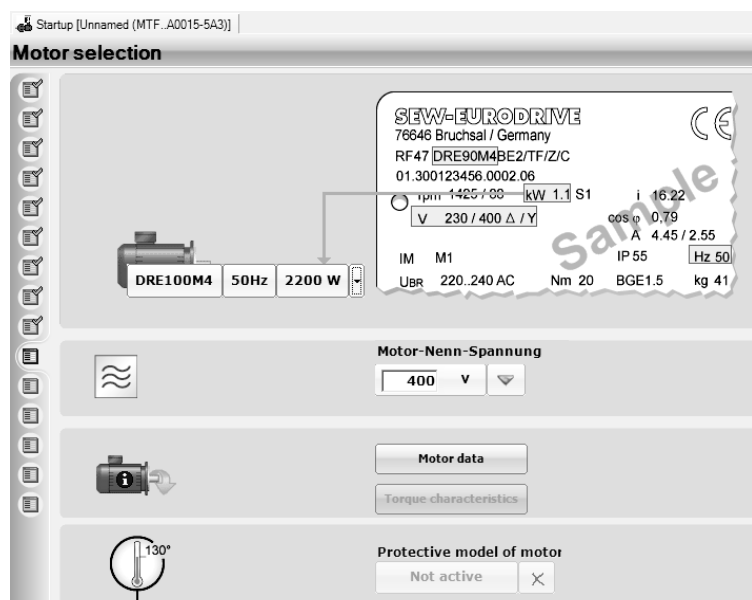
3646073739

Standard motors:

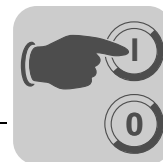
When selecting an SEW standard motor, select:

- Motor type
- Rated motor voltage (corresponding to the respective connection type, "Star" or "Delta")
- Rated motor frequency

Refer to the nameplate of the motor.



3647665291



Non-SEW motors:

With non-SEW motors, you have to provide nameplate additional data.

Start a calibration process via [Start calibration] to determine additional motor parameters.

Before you start make sure that the:

- motor is connected,
- mains voltage is present
- unit is ready for operation.

DANGER

The connected motor is energized during calibration.

Severe or fatal injuries from electric shock.

- The terminal box of the drive that has been connected must be closed during the calibration process.



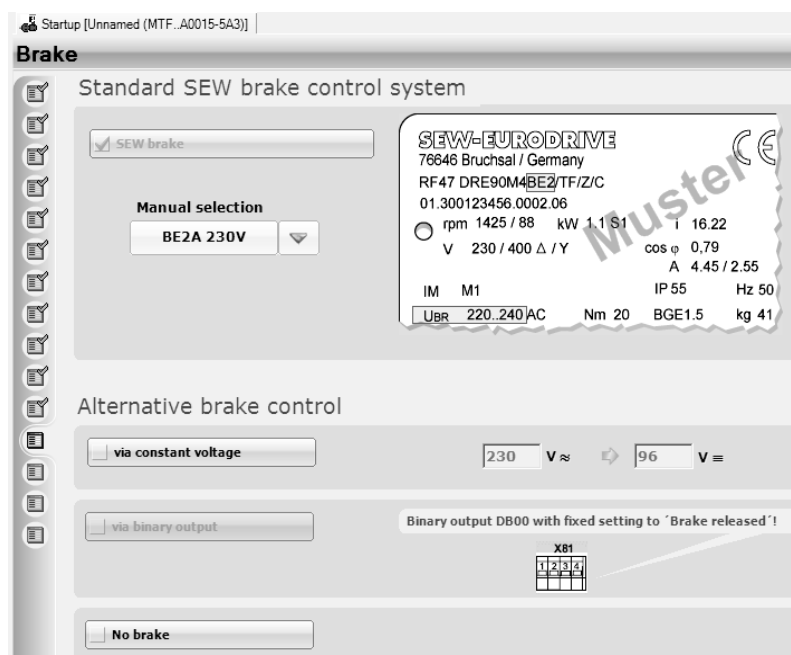
792956683



Startup

Motor/brake startup with MOVIFIT® FC

9. With brakemotors, once motor startup has been concluded, you must now select the brake:

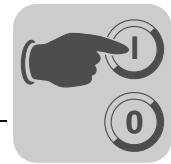


3731645835

Standard SEW brake control:

- If the motor is equipped with the brake intended for the MOVIFIT® drive,
 - activate the "SEW brake" checkbox
 - and select "manual selection" to select the brake according to the nameplate data.

With the SEW standard brake control, the brake is directly supplied from the DC link thus using regenerative energy. The brake temperature is monitored.



Alternative brake control



INFORMATION

When you select an alternative brake control, the drive must already be equipped with an internal or external braking resistor. The braking resistor dissipates the regenerative power during deceleration.

The alternative brake control is intended for the case

- that the motor is equipped with a brake different from the one intended for the MOVIFIT® drive (see table on next page)
- or that several motors/brakes are operated with one MOVIFIT® in parallel. I.e. you have selected "no/loose coupling" in the "System configuration" window (step 4). In this case, the brakes must have the same rated voltage.

Only the following control method is available:

- Brake control via constant voltage
 - Activate the "via constant voltage" checkbox
 - Enter the brake supply voltage either as AC or DC voltage

If the motor is not equipped with a brake, activate the "no brake" checkbox.



INFORMATION

It is not possible to control the brake via the binary output.



INFORMATION

For the assignment of MOVIFIT® motors to Standard brakes, refer to the "MOVIFIT® FC" operating instructions, chapter "DIP switches 10/5".

For DT/DV motors, the brake type is not stated explicitly. You can determine the type of the installed brake on the basis of the motor size and the specified braking torque (see motor nameplate).

The following table shows the assignment of brake types and braking torques to the motor sizes. The table also lists the reduced braking torques of the brakes.

Brake Type	For motor size	$M_{B \max}$ [Nm]	Reduced braking torques $M_{B \text{ red}}$ [Nm]						
BMG02	DT56	1.2	0.8						
BR03	DR63	3.2	2.4	1.6	0.8				
BMG05	DT71 / DT80	5.0	4	2.5	1.6	1.2			
BMG1	DT80	10	7.5	6					
BMG2	DT90 / DV100	20	16	10	6.6	5			
BMG4	DV100	40	30	24					

Example 1:

Designation on the motor nameplate:

Brake V 230 VAC 20 Nm for DT90L4

Interpretation using the table:

Motor: DT90

Brake: BMG2 with braking torque $M_{B \max} = 20 \text{ Nm}$

Example 2:

Designation on the motor nameplate:

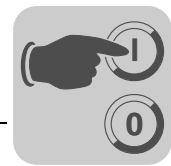
Brake V 230 VAC 10 Nm for DV100L4

Interpretation using the table:

Motor: DV100

Brake: BMG2 with reduced braking torque $M_{B \text{ red}} = 10 \text{ Nm}$

The BMG4 brake cannot be installed in this example, as the respective braking torque is not listed in the above table.



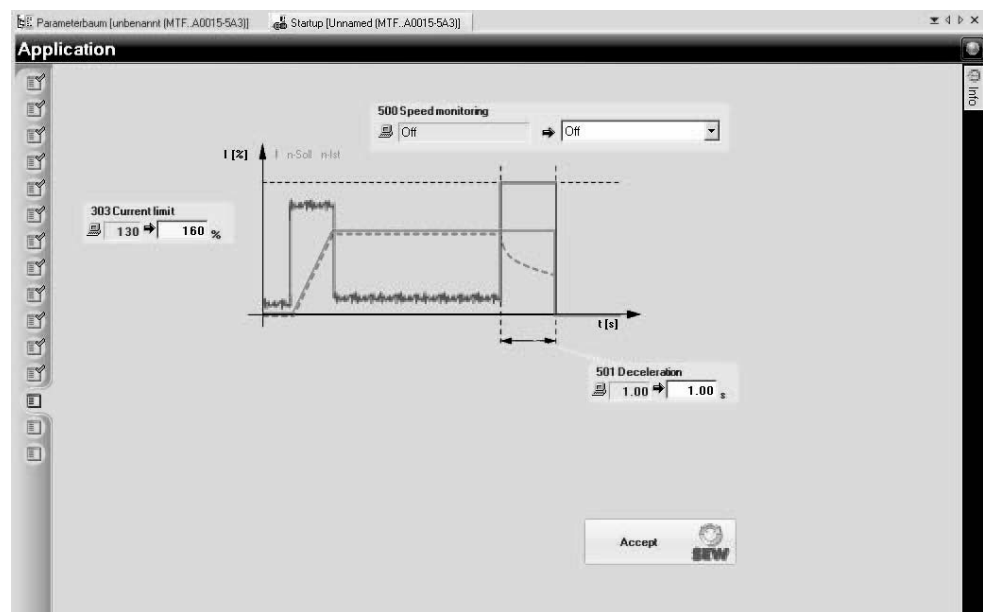
10. The next step "Application parameters" is used to activate the "Speed monitoring" function and to set the current limit.

When speed monitoring is active, a fault is triggered after the specified deceleration time when the output current reaches the set current limit continuously.

The percentage current level is based on the rated unit current. The output frequency is reduced to protect the motor from stalling when the current limit is reached. To ensure stall protection, accept the default value for the current limit.

Click the black arrow to accept the default values. Click the right mouse button in the input field to display additional input options.

You can accept each default value individually, or you can accept all default values by choosing the "Accept" button.



888384651



Startup

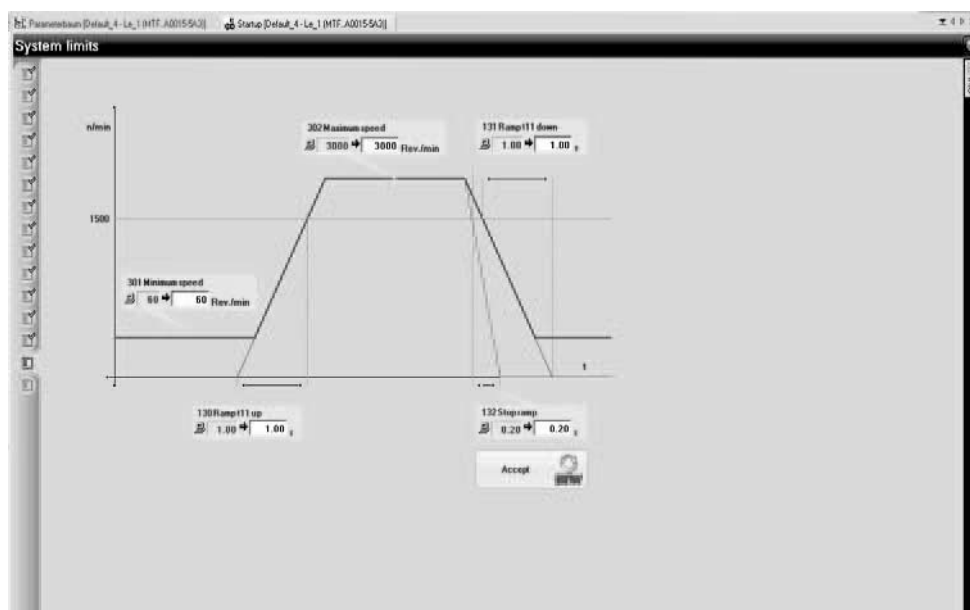
Motor/brake startup with MOVIFIT® FC

11. In the next step parameters are set for the speed limits and ramp times.

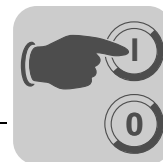
The ramp times are always based on a change in the output speed of 1500 rpm. The ramp times apply when a ramp time has not been specified via the process data and an enable/revoke enable occurs. The stop ramp is active when a "Rapid stop" is requested or when specific errors occur.

Click the black arrow to accept the default values. Click the right mouse button in the input field to display additional input options.

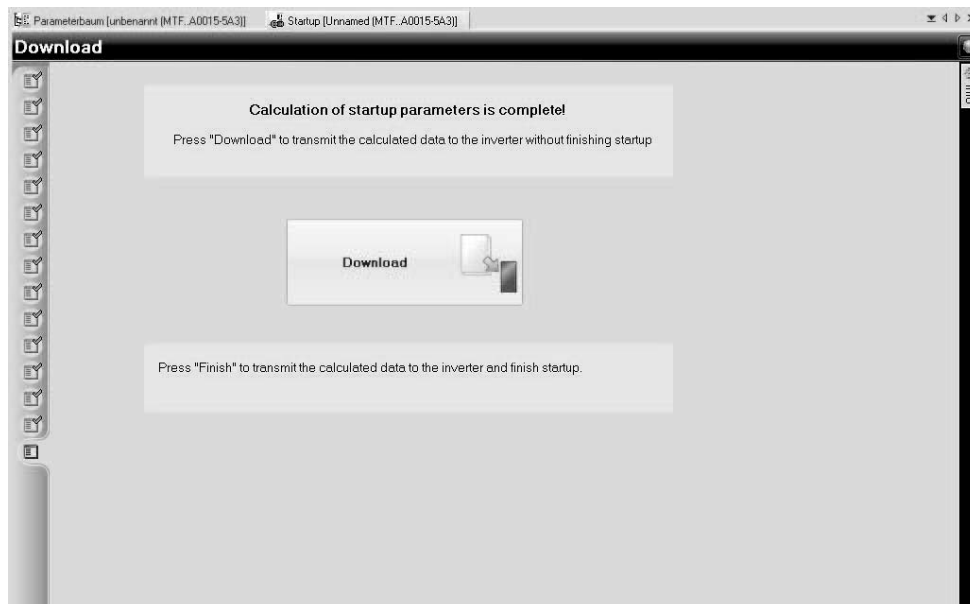
You can accept each default value individually, or you can accept all default values by choosing the "Accept" button.



903482379



12. Click the "Download" or "Finish" button to download the parameters to the unit. Before you download the parameters, you can switch to any of the previous pages. The settings are not lost.



906417803



INFORMATION

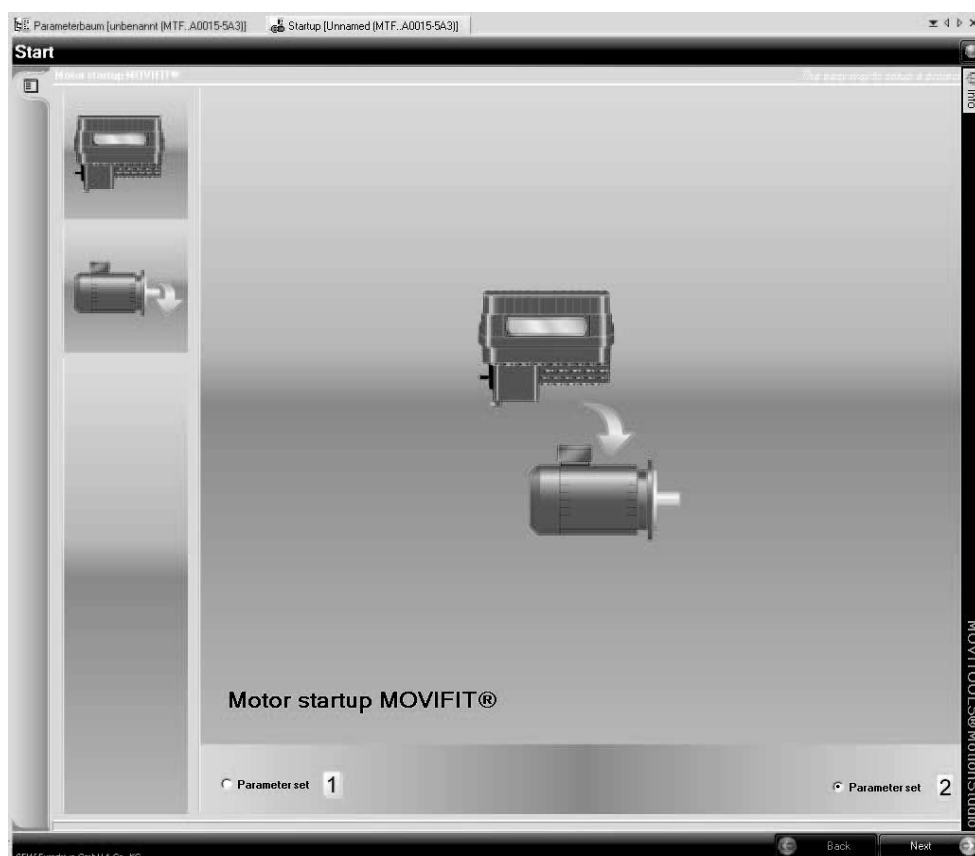
Startup of a hoist drive is not permitted with this special design.



Startup Motor/brake startup with MOVIFIT® FC

4.3.2 Starting up drive 2

1. Startup of drive 1 must have been completed successfully by clicking the "Finish" button.
2. Choose the startup tool in MOVITOOLS® MotionStudio (see chapter "Including MOVIFIT® in MOVITOOLS® MotionStudio"). The window for selecting the parameter set opens.
3. Parameter set 2 must be selected for drive 2.



1742371339

4. Do not change the setting "switchable" in the menu "Motor output configuration".
5. All other points are the same as for startup of drive 1, see points 3 to 12.

4.3.3 Do *not* change parameter **P620**



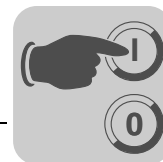
⚠ WARNING

Hazard caused by uncontrolled unit behavior when changing parameter *P620*.

The parameter *P620* was set to "Parameter set" during startup. The binary output DB00 is not available.

Severe or fatal injuries.

- Do not change the setting "Parameter set" of parameter *P620*.



4.4 Switchover between drive 1 and drive 2

4.4.1 Switching via MOVIFIT® FC control word

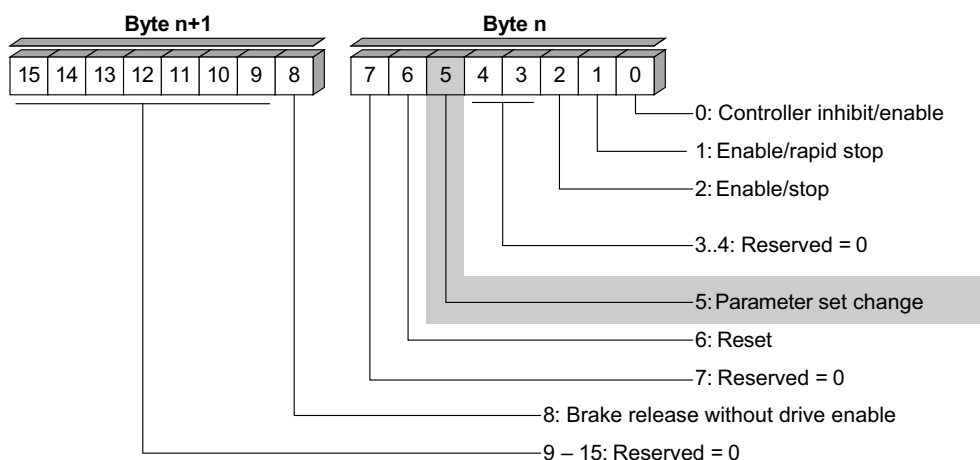
Bit 5 "Parameter set switchover" in the MOVIFIT® FC control word is used for switching between drive 1 and drive 2.



INFORMATION

A switchover is only possible when the output stage is inhibited (evaluation via status word 1, bit 0, (page 31)).

The relays have a service life of 1 000 000 switching cycles. The relays have to be replaced after that.



1742961547

The following table shows the functions of the control word for MOVIFIT® FC.

Bit	Meaning	Explanation
0	Controller inhibit/Enable	0: Enable 1: Inhibit controller, activate brake
1	Enable/rapid stop	0: Rapid stop 1: Enable
2	Enable/stop	0: Stop at normal ramp 1: Enable
3	Reserved	For reserved bits, the value 0 must be transferred for later use
4	Reserved	For reserved bits, the value 0 must be transferred for later use
5	Parameter set switchover = Switchover between drive 1 and drive 2	0: Parameter set 1 = drive 1 1: Parameter set 2 = drive 2
6	Fault reset	If there is a fault in the inverter power section, an error reset is requested by changing this bit from 0 to 1.
7	Reserved	For reserved bits, the value 0 must be transferred for later use
8	Brake release without drive enable	This function is not active in Easy mode. The functionality is activated by setting an additional parameter. 1: Release brake without drive enable 0: Do not release brake
9–15	Reserved	For reserved bits, the value 0 must be transferred for later use

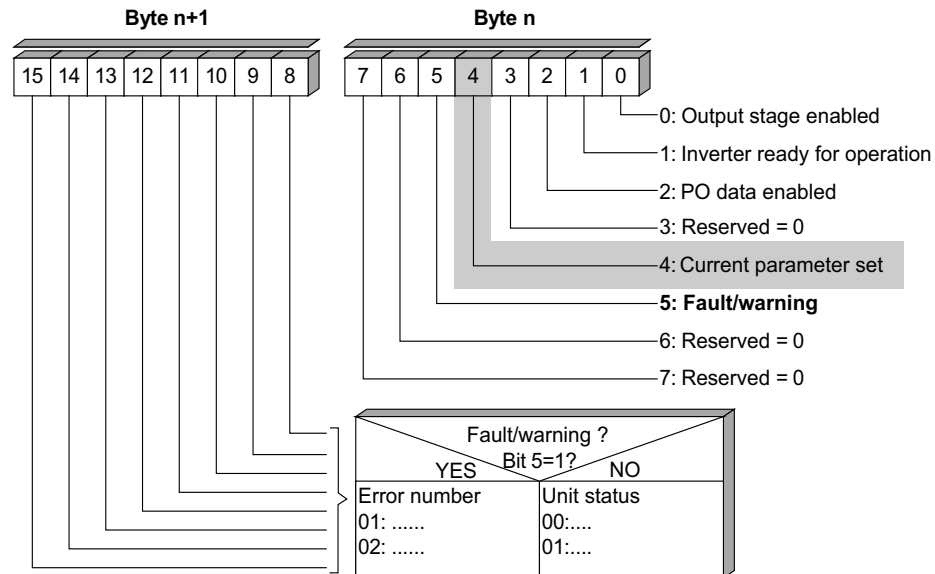


Startup

Switchover between drive 1 and drive 2

Evaluation via
status word 1 for
MOVIFIT® FC

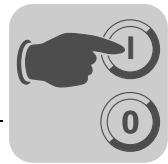
Bit 4 "Current parameter set" in the MOVIFIT® FC status word 1 is used for determining which drive has been activated via the control word:



1742971915

The following table shows the assignment of status word 1 for MOVIFIT® FC:

Bit	Meaning	Explanation
0	Output stage enabled	1: MOVIFIT® inverter output stage is enabled 0: MOVIFIT® inverter output stage is not enabled
1	Inverter ready	1: Inverter power section is ready for operation 0: Inverter power section is not ready for operation
2	PO data enabled	1: Process data is enabled; Drive can be controlled via fieldbus 0: Process data is inhibited; Drive cannot be controlled via fieldbus
3	Reserved	For reserved bits, the value 0 is transferred for later use
4	Current parameter set = activated drive	0: Parameter set 1 = drive 1 1: Parameter set 2 = drive 2
5	Error/warning	1: Error/warning present 0: OK
6	Reserved	For reserved bits, the value 0 is transferred for later use
7	Reserved	For reserved bits, the value 0 is transferred for later use
8–15	Bit 5 = 0: Unit status 0: 24 V operation 1: Controller inhibit 2: No enable 3: Standstill current 4: Enable 18: Manual mode active Bit 5 = 1: Error number	If there is no fault/warning (bit 5 = 0), the operating/enable status of the inverter power section is displayed in this byte. If there is a fault/warning (bit 5 = 1), the fault number is displayed in this byte.

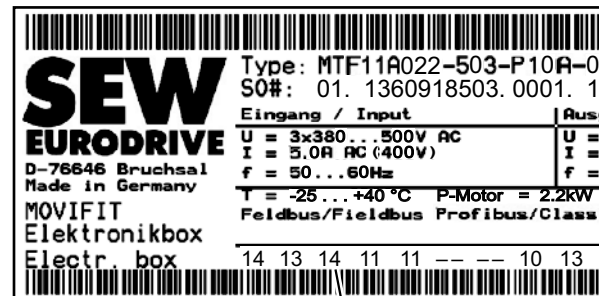


4.4.2 Switchover in manual mode



INFORMATION

The following function is only available for EBOX types from firmware version 14 and higher.

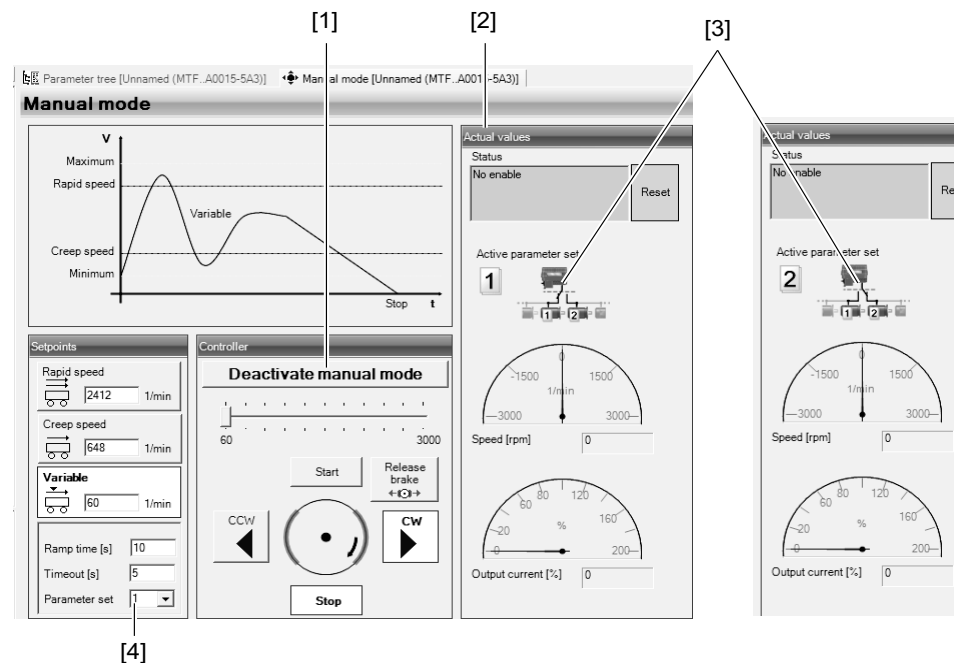


[1] Firmware version of the EBOX

[1]

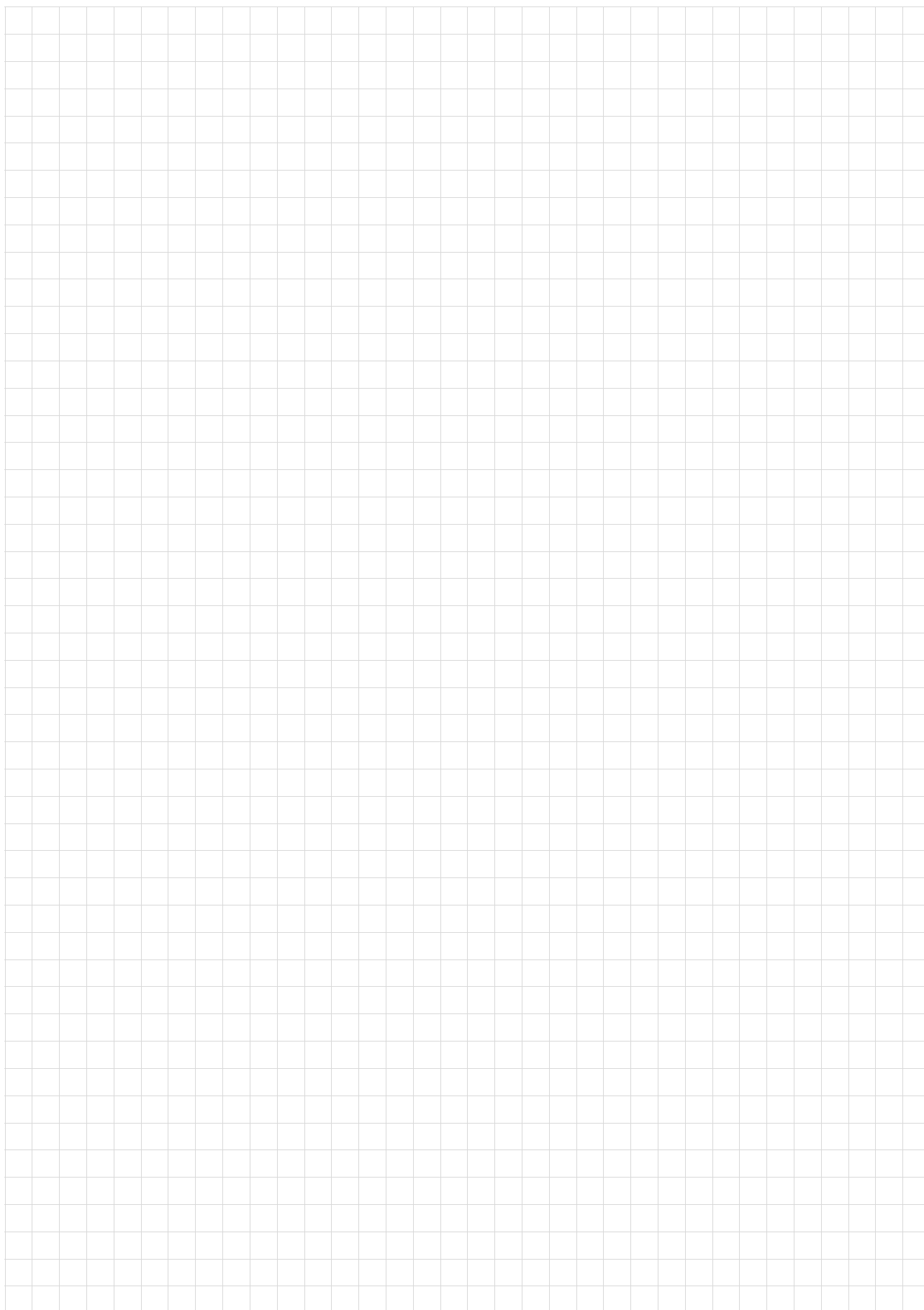
Switching between drives 1 and 2 takes place in the manual mode of MOVITOOLS® MotionStudio.

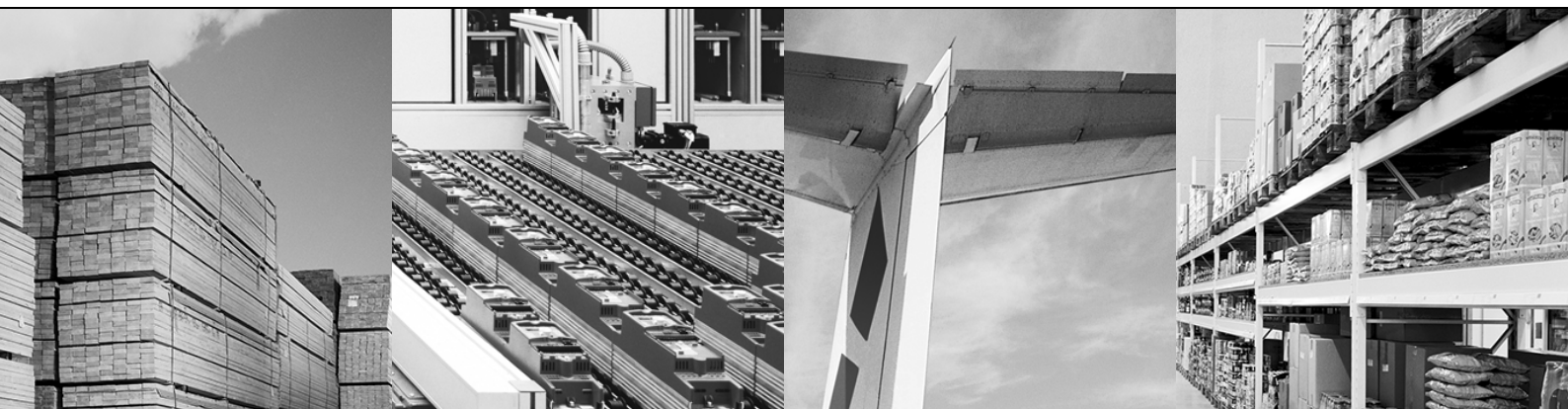
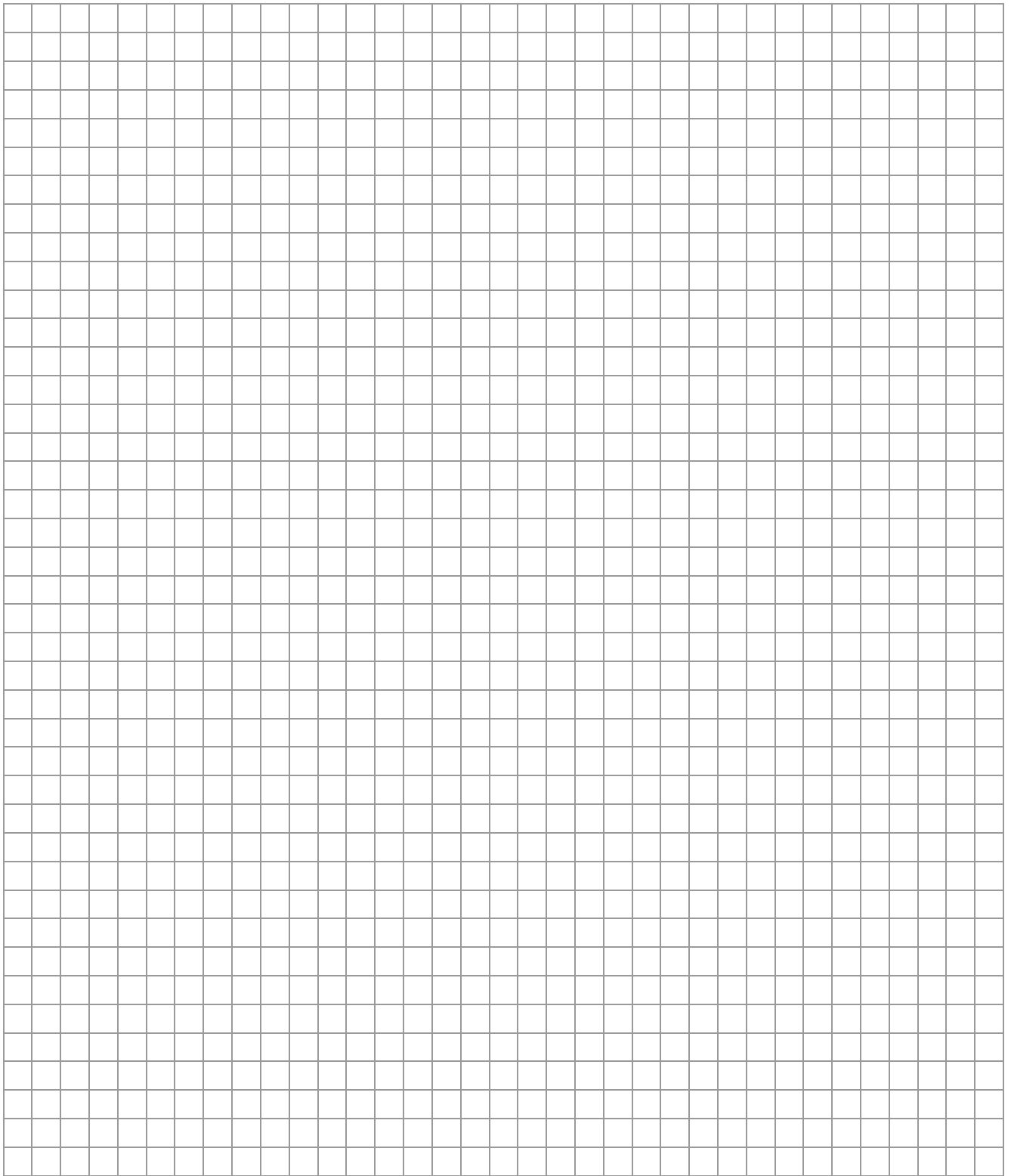
1. Carry out startup for both drives.
2. Click the [Manual mode] button to open the "Manual mode" menu.



3654689291

3. Activate manual mode by clicking the [Activate manual mode] button [1].
The field "Actual values" appears [2].
4. To switch between the drives, select the other parameter set in the "Parameter set" field [4].
The switch icon [3] changes its position (see illustration above) when you change from one drive to the other.







SEW-EURODRIVE
Driving the world

SEW
EURODRIVE

SEW-EURODRIVE GmbH & Co KG
P.O. Box 3023
D-76642 Bruchsal/Germany
Phone +49 7251 75-0
Fax +49 7251 75-1970
sew@sew-eurodrive.com

→ www.sew-eurodrive.com